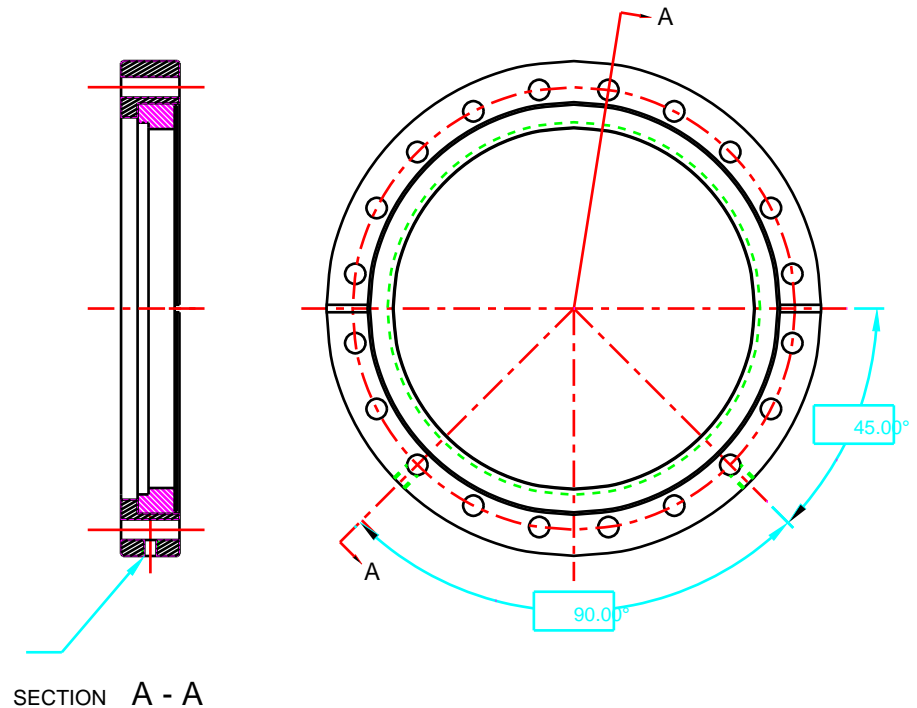


NOTES:

1. MAKE FROM MDC'S 8" O.D. ROTATABLE VACUUM FLANGE CATALOG #100031
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
3. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
4. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
5. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY



4. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.

5. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED, LOG NUMBER ALL DIMENSIONS ARE IN INCHES		THIS DRAWING IS THE PROPERTY OF		
TOLERANCES		ARGONNE NATIONAL LABORATORY		
DECIMALS	ANGULAR			
.X ± .1 [2.5]	° 0°30'			
.XX ± .01 [0.25]				
.XXX ± .005 [0.13]				
SURFACE ROUGHNESS				
125 ✓				
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.				
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1				
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5				
DO NOT SCALE DRAWING				

W4600103-00

DRAWN BY
MUSCIA

CHECKED BY
D. SHU

DESIGNER
SHU/MUSCIA

RESPONSIBLE ENGINEER
D. SHU

DATE
11/25/97

DATE
12/5/97

DATE
11/25/97

DATE
12/5/97

CHIEF DESIGN ENGINEER
D. Shu

GP LEADER
T.M. Kuzay

PROJECT MGR.

APPROVED/RELEASED

DATE
12/5/97

DATE

DATE

DATE

MATERIAL
SEE NOTE #1

SCALE
HALF

SIZE
B

DRAWING NUMBER
W4-600103-00

TITLE
ADVANCED PHOTON SOURCE

W4-60 BEAMLINE WINDOW
8" O.D. (25mm X 120mm)
VACUUM FLANGE

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				